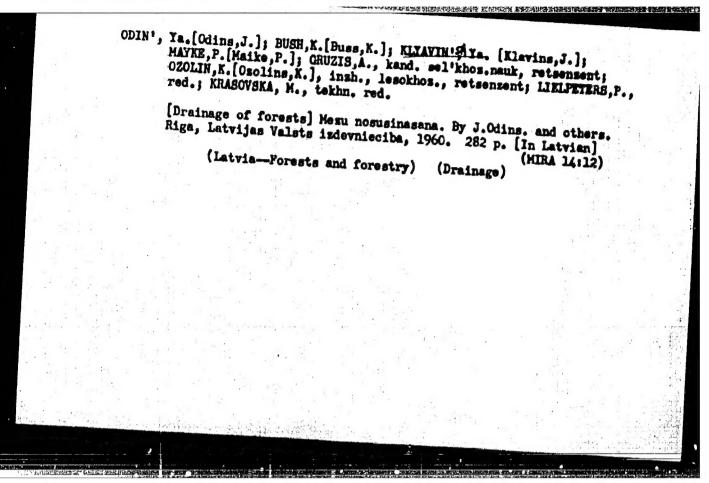


BUSH, Kasper Krishevich; [Bule, Kaspers]; KLTAVIN'SH, Tanis Yanovich
[Klavine, Janis]; MATH, Pavel Martymovich; MADU, Tavgenty
Dyul'yevich; THEPAT'INVEKIV, M.P., reteansent; PURHERSUN, M.A.,
red.; TIKKOMOVA, H.V., red.ind-vs; KUZENTSOVA, A.I., tekhn.red.

[Practices of the Latvian S.S.R. in the dreinage of forest soils]
Osushenie lesnyth sembl'; is opyta raboty v Letviskoi SSR.
Moskva, Goslesbundsdat, 1960. 159 p. (MIRA 14:1)

(Latvia--Forest soils) (Latvia--Dreinage)



ACCESSION NR: AT4042300

8/0000/63/003/000/0229/0241

AUTHOR: Klyavinya, A.P.

TITLE: The occurrence of back magnetomotive force (back-m.m.f.) in conduction pumps with series excitation

SOURCE: Soveshchaniye po teoreticheskoy i prikladnoy magnitnoy gidrodinamike. 3d, Riga, 1962. Voprosy* magnitnoy gidrodinamiki (Problems in magnetic hydrodynamics); doklady* soveshchaniya, v. 3. Riga, Izd-vo AN LatSSR, 1963, 229-241

TOPIC TAGS: conduction pump, series excitation, magnetomotive force, back magnetomotive force

ABSTRACT: This article reports the results of an investigation into the occurrence of back-m.m.f. in DC pumps with series excitation. The nature of the phenomenon of back-m.m.f. is explained in detail. It is noted that the current in the pumps under discussion is not completely used to give rise to a magnetic field. The distribution of the current is such that the current lines form figures reminiscent of loops, similar to the current line ABA₁ in Figure 2, a of the Enclosure. If, instead of the actual form of the center current line, the idealised line represented in Figure 2, b is cuidered, it can

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ACCESSION NR: AT4042300

be seen that over the segment DD₁ the movement of the current leads to a certain demagnetizing of the core; thus, the actually "effective" number of turns in the pump (See Figure 1 of the Enclosure) is less than one. The reduction of the effective m.m.f. can be regarded as the occurrence of aborresponding back-m.m.f., and is introduced into the calculation by means of the "effective" number of turns w. In this article, experiments are described in which back-m.m.f. was studied in two versions: with a copper bar used to magnetize a C-shaped core, and with an electrolytic bath, in which a study was made of the distribution of the current lines. Formulas are derived for the simplified case in which the thickness of the bar is uniform. It is evident from Fig. 2a that the current travels in the channel at a certain angle to the y axis, with the pressure created only by the y component of the current. The reduction of the pressure, caused by this circumstance, is taken into consideration in this article by the factor k₁, which is equal to the ratio of the actual pressure to the pressure which would develop if the current travelled in the direction of the y axis (according to Figure 2, b) and the induction remained as before. The reduction in induction is characterized by the factor k_B = B.

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ACCESSION NR: AT4042300

where B is the actual mean value of the induction in the gap, and B is the induction which would occur if the effect of the generation of back-m.m.f. were absent. In this article, primary attention is directed at this factor (k_B). The author notes that the factors considered in this paper are such that the proposed formulas and curves constitute only a first approximation, suitable for the computation of the occurrence of the back-m.m.f. used in conduction pump calculations. "A.K. Bushman called our attention to the possible existence of this effect." The work was carried out under the guidance of Yu. A. Birzvalk (Cand. Tech. Sci.). Orig. art. has: 5 formulas and 14 figures.

ASSOCIATION: none

SUBMITTED: 04Dec63

ENCL: 02

SUB CODE: IE, EM

NO REF 80V: 000

OTHER: 000

Cord 3/5

PALAMARCHUK, M.D.; USHAKOV, A.P.; KLYAYIR, I.Tu.; KITATTSWA, Z.P.

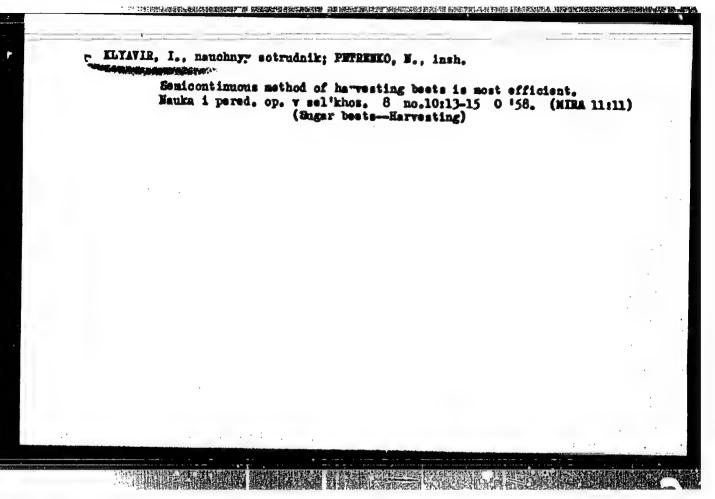
Bew means for the mechanical harvesting and hamling of sugar beets.
(Combines (Agricultural machinery)) (Sugar beets—Transportation)
(MERA 8:11)

FRIDMAN, S.Ye.; DONCHAK, A.S.; KLYAVIR, I.Yu.

Obryvko beet stacker-unlosker and rake-type beet loader. Sakh.grom.
30 no.7:50-54 Jl '56.

1. Rosglavsakhar (for Fridman and Donchak); 2. Vessoyumnyy nauchno-isoledovatel'skiy institut svekly (for Klyavir).

(Sugar industry-Equipment and supplies)



AUTRAK, I.M. agronom: EKLINSKIY, A.A. [Zelins'kyi, A.A.]; SHAPOVALOV, P.7.;
KINAVIH, I.Yu.

Over-all mechanisation of sugar beet growing. Mekh. sil'. hosp. 9
no.1:18-21 Ja '58.

1. Kolgosp im. Ohapayeva, Ehashkivs'kogo rayomu, Cherkas'koi ohlasti
(for Entsak), 2. Yeseoyusniy naukovo-doslidniy institut tenkrovikh
buryakiv (for Zelins'kiy, Shapovalov, Klysvir).

(Sugar beets) (Agricultural machinery)

KLYAVIR, I.Tu. [Klisvir, I.W.], naukovi pratsivnik,: Zhlibskii, A.A.

[Jelins Pyi, A.A.], asukovi pratsivnik

Introduce semi-continuous flow-line harvesting of beets. Neth. sil', hosp. 9 no. 8:21-2) Ap '58.

1. Vsesoyusniy naukovo-doslidniy institut tsukrovikh buryakiv.

(Sugar beets--Harvesting)

(Sugar beets--Transportation)

USHARINY, O.F. nauchnyy rabotnik; ELYAVIR, I.Yu., [Kliavir, I.IU.], Rauchnyy rabotnik

Problems of growing monospermous sugar beets. Mekh. eil' hosp. 10 no.4:25 Ap '59. (MIRA 12:6)

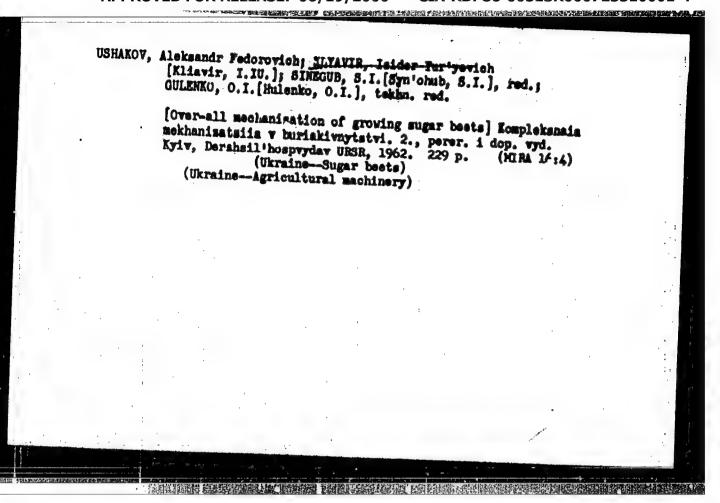
1. Veesoyusnyy nauchno-iseledovatel'skiy institut sakharnoy svekly. (Sugar beets)

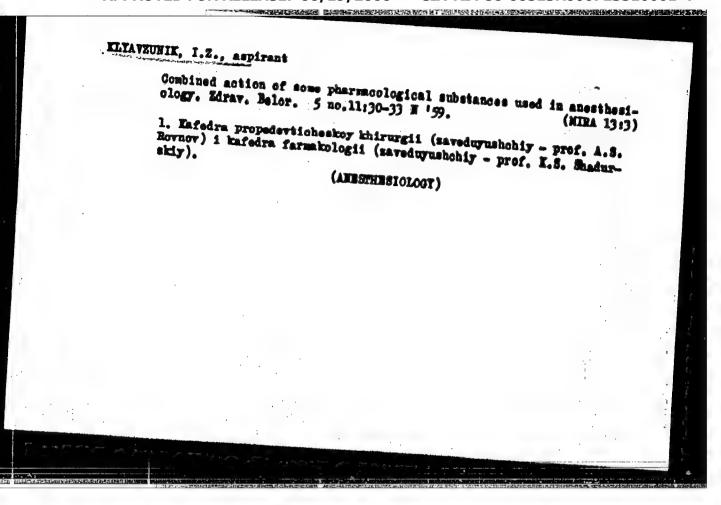
USHAKOV, O.F., kand.tekhm.nauk; KLYAVIR, I.Yu., kand.tekhm.nauk

Characteristics of the work of beet combines under the new
method of sugar beet growing. Mekh. sil'. hosp, 12
no.9:16-17 8 '61.

(Sugar beets—Harvesting)

(HIRA 14:11)



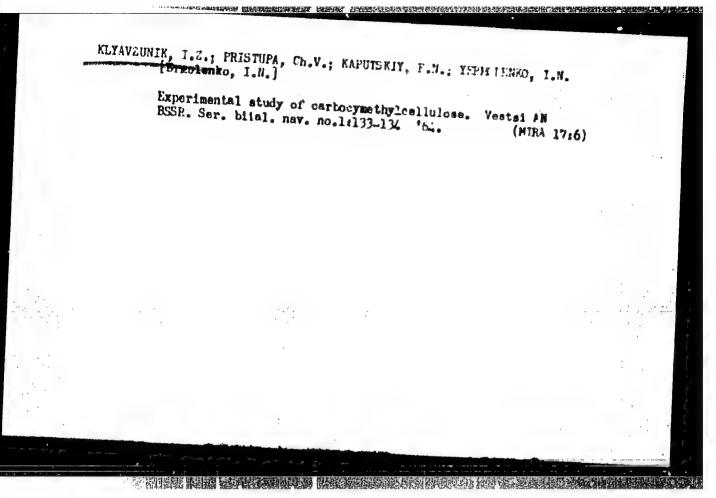


KLYAVZUNIK, I.S.

Aminasine, dimedrol, promedol, diplatein, and sodium thiopental in combined methods of anesthesia. Edrav. Belor. 6 no.3:34-39 (MIRE 13:5)

1. Kafedra farmakologii (zaveduyushchiy - prof. K.S. Shadurskiy), i kafedra obshchey khirurgii Minekogo mediteinskogo instituta (zaveduyushchiy - professor A.S. Rovnov). (ARESTHESIA)

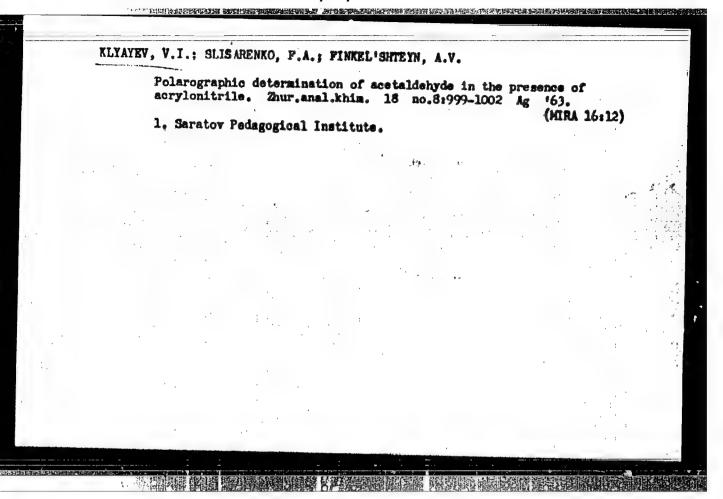
APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723310001-4"



KRASIL'NIKOV, A.P.; IZRAITEL', N.A.; KRYLOV, I.A.; KLYAVZUHIK, M.Yu.

Reaction of passive hemagglutination in the diagnosis of scleroma, Lab. delo no.9:537-539 64. (MIRA 17:12)

l. Kafedra mikrobiologii (saveduyushchiy -- dotsent A.P. Krasil'nikov) Minskogo meditsinskogo instituta.



KLYAYEV, V.I.; CRYAZEV, N.N.; SLISARENKO, F.A.

Complex study of the structure of some natural disperse systems with an "elastic" skeleton. Dokl. AN SSSR 164 no.1:134-136 (MIRA 18:9)

1. Saratovskiy gosudarstvennyy pedagogicheskiy institut i Saratovskiy politekhnicheskiy institut. Submitted February 26, 1965.

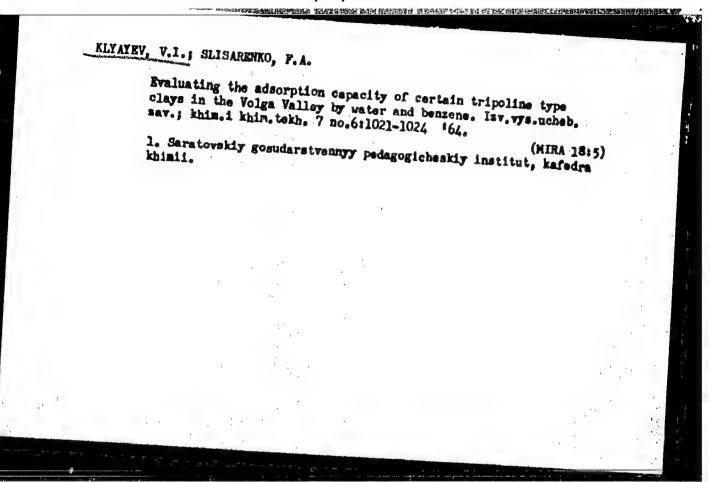
Silsarenko, F.A.; Zahelin, V.A.; Timofeysva Ya.M.; Kilarev, V.I.

Gumplex study of the physicochemical and scrptive properties of Volga Valley gaine. Thur.prikl.thin. 38 no.11:24,30-2439
N *65.

(Mira 18:12)

1. Caratovskiy gosudarstvennyy pedagogiclaskiy institut.

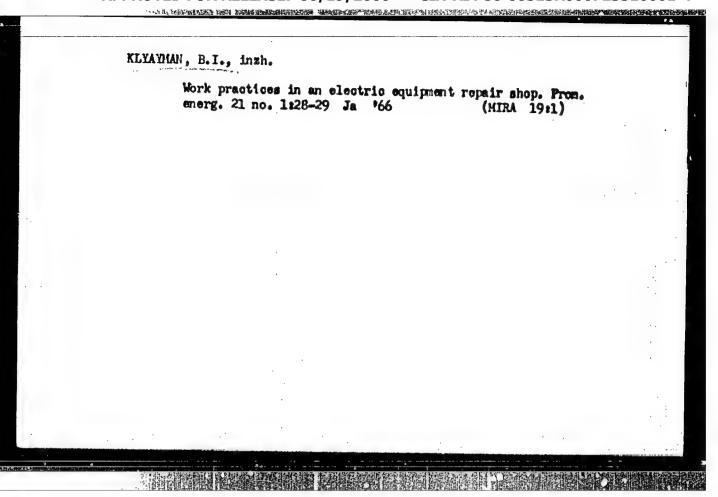
Submitted November 2, 1903.

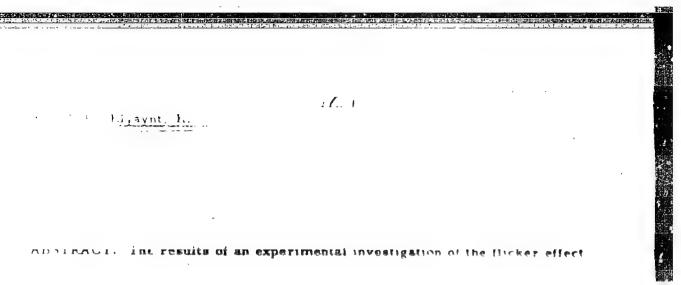


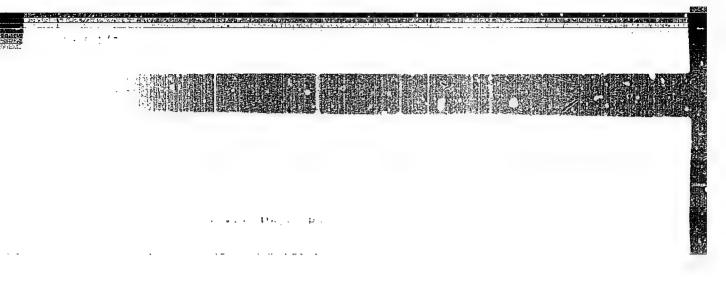
VASIL!YKV, V.S.: ZABELIN, V.A.: KLYAYAV, V.I.; SLISARENKO, F.A.

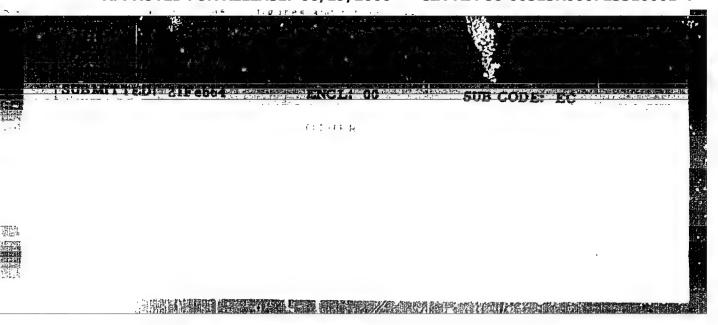
Mineral composition of the lower part of Masstricht sedimonts in the Saratov region. Dokl. All SSSR 158 no.5:1096-1098 0 %6.

1. Saratovskiy gosudarstvennyy universitet im. N.G.Chernyshevskog 1 Saratovskiy gosudarstvennyy pedagogicneskiy institut. Predstavleno akademikom N.M.Strakhovym.









KLYAZNIK, V. A. Radiophysics

Dissertation: "Increasing the Interference Rejection of Radio Reception by Means of Compensation for the Harmful Action of Pulse Interference in the Receiver." Cand Tech Sci, Moscow Electrical Engineering Inst of Communications, Moscow, 1953. (Referativnyy Zhurnal -- Fizika Moscow, Mar 54)

SO: SUM 213, 20 Sep 1954

USSR/ Elect	A 7	nics - Radio
Card 1/1		Pub. 89 - 24/30
Authors	1	Klyasnik, V. Gand. of Techn. Sc.
Title	1	Amplifier stage with cathode load
, v		
Periodical	ŧ	Radio 6, 47 - 50, Jun 1955
Abstract		remained information is given (for radio amateurs) on the structure
	•	Technical information is given (for radio amateurs) on the structure, voltage transmission, internal resistance, frequency, stability and harmonics characteristics of amplifier cascades (stages) working on cathode loads. The difference between amplifier cascades with cathode loads and cascades with anode loads is explained. Diagram; graphs.
Institution	•	harmonics characteristics of amplifier cascades (stages) working on cathode loads. The difference between amplifier cascades with cathode loads and cascades with anode loads is explained. Diagra; graphs.
		harmonics characteristics of amplifier cascades (stages) working on cathode loads. The difference between amplifier cascades with cathode loads and cascades with anode loads is explained. Diagra; graphs.
Institution	3	harmonics characteristics of amplifier cascades (stages) working on cathode loads. The difference between amplifier cascades with cathode loads and cascades with anode loads is explained. Diagra; graphs.
Institution	3	harmonics characteristics of amplifier cascades (stages) working on cathode loads. The difference between amplifier cascades with cathode loads and cascades with anode loads is explained. Diagra; graphs.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723310001-4

NEXTLE ATA, EA Category : USSR/Radiophysics - Radio-wave reception

1-7

Abs Jour : Ref Zhur - Fizika, No 1,\1957, No 1940

Author

: Klyaznik, V.A.

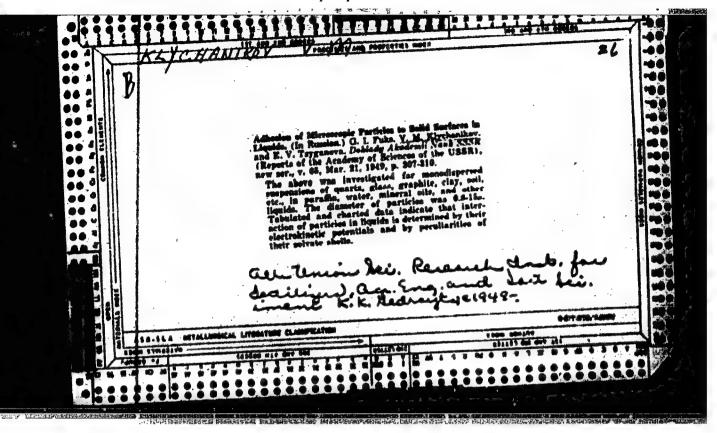
Title

: Suppression of Pulse Noise by Compensation Methods

Orig Pub : Elektrosvyas', 1956, No 8, 25-35

Abstract: Analysis of the influence of pulse noise on a radio receiver containing a system for compensation of the noise after amplifude detection. A simple method is given for improving the method for the purpose of better suppression of the pulse noise. An estimate of the noise rejection is given, taking into account the action of the low-pass filter. A method is indicated whereby it is possible technically to suppress almost all the noise pulse prior to detection.

Card : 1/1

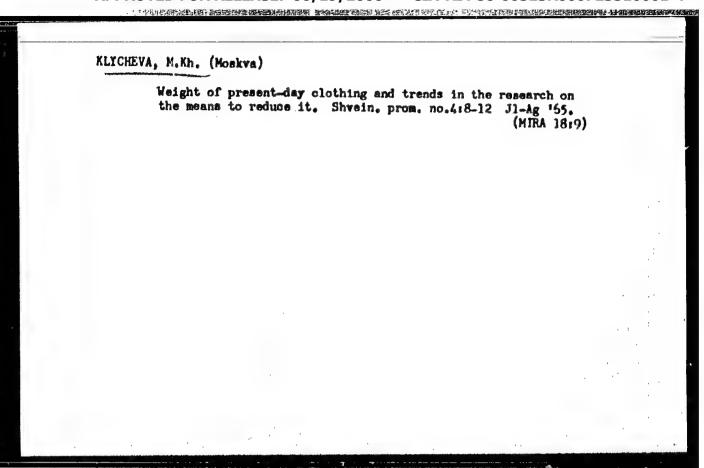


KLYCHEV, S.M.

Change in the vital capacity of the lungs in hypertension. Zdrav. Turk. 7 no.6217-19 Je 163. (MIRA 16:8)

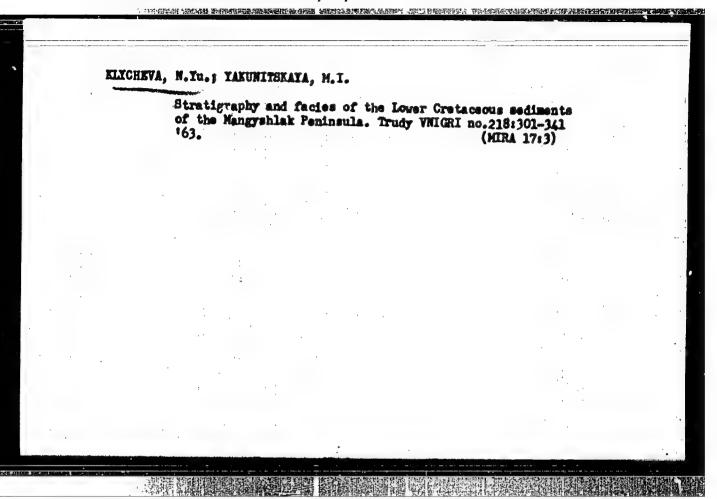
1. Is Nebit-Dagskoy gorodskoy bol'nitsy (glavnyy wrach S.K. Arazov).

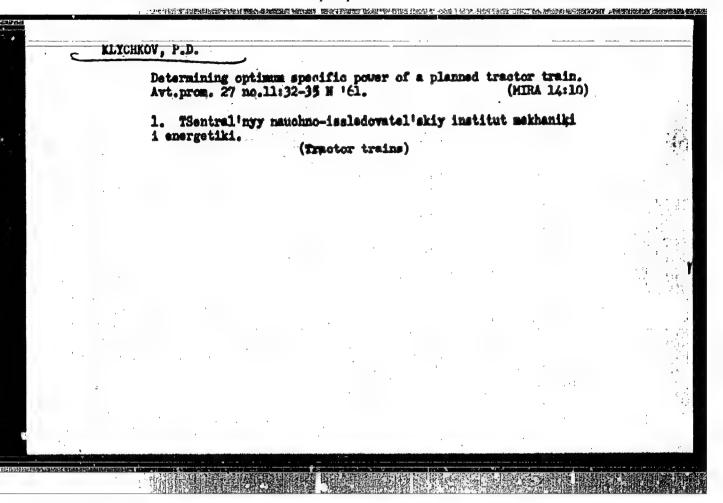
(HYPERTENSION) (LUNGS)



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"Paleo; Cretaceous	geography and the Beds of Central M	Oil-Bearing Possibilit angyshlak." p. 187	ies of the Lower	-
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	PM(F. 2 (CA))Ade	ion of Articles in Geol Top. (Trudy, vyp 126, V	ogy, Yol. 3), Veescousovo pertuenco	
Jeologicheskiy sbo Leningred Gostoptel nauchno-issledovat	khizdat, 1958, 47 sl'skiy geologore	svedochnyy institut)	·	
leologicheskiy sbo Leningrad Gostopts nauchno-issledovat	khisdet, 1958, 47 el'skiy geologore	svedochnyy institut)		
leologicheskiy sbo Leningrad Gostopta nauchno-issledovst	khisdet, 1958, 47 el'skiy geologore	svedochnyy institut)		
Jeologicheskiy abo Leningrad Gostopta nauchno-issledovat	khisdat, 1958, 47 el'skiy geologore	evedochnyy institut)		
Geologicheskiy abor Leningrad Gostoptal nauchno-issledovat	khisdet, 1958, 47 el'skiy geologore	evedochnyy institut)		

KLYCHEVA, N. Yu., Candidate Geolog-Mineralog Sci (diss) -- "The stratigraphy, facies, paleography, and oil content of the Lower Cretaceous deposits of central Mangyshlak". Leningrad, 1959, published by VMIGRI. 15 pp (All-Union Petroleum Sci Res Geological-Prospecting Inst VMIGRI), 150 copies (KL, No 25, 1959, 129)





GAL'PERIN, Z.S.; KLYCHKOV. P.D.; LAKH, Ye.I.; CORBACHEVSKIY, V.A.; DARAGAN, L.D.; RYZHKOV A.N.; SUKHARNIKOV, I.O.; TURASS, A.L.; GATSKEVICH, V.A., red.

[Manual on automotive transportation of lumber] Spravochnik po lesovosnomu avtomobil'nomu transportu. Moskva, Lesnaia promyshleznost', 1965. 446 p. (MIRA 19:1)

1. Khirki. TSentral'nyy nauchno-issledovatel'skiy institut mekhanisatsii i energetiki lesnoy promyshlennosti.

LEKSAU, Igor' Hikolsyevich; ARODZENO, Aleksandr Mikhsylovich;
CAL'PERIN, Zinoviy Samoylovich; CORRACHEVENIT, Viktor
Andreysvich; DARAM, Leonid Entirtyvich; ELICHEOV,
Pavel Dmitriyevich; IAEH, Yevgeniy Ivanovich; FRASOLOV,
Boris Aleksandrovich; RYZHKOV, Aleksey Nikolsyevich;
SUNKARNIKOV, Iosif Osipovich; TURASS, Aleksey Leont'yevich;
DOLOOPOLOV, M.P., red.; KONARDOVA, T.F., red. ind-va;
VDOVINA, V.M., tekhm. red.

[Manual for the lubmer truck driver] Spravochmik shofera
lesovoznogo avtomobilia. Moskva, Goslesbumindat, 1962, 169 p.

(Lumber—Transportation)

(Lumber—Transportation)

GORBACHEVSKIY, Viktor Andreysvich; GAL'PERIN, Zinoviy Samoylovich
Gal'perin; KLYCHKOY, Paval Dmitriyevich; LAKH, Tevgeniy
Ivanovich; LEERAU, Igor' Mikolaysvich; PRASOLOV, Boris
Aleksandrovich; RYZHKOY, Aleksey Mikolaysvich; SUKHANNIKCY,
Iosip Osipovich; SHESTAKOV, Boris Aleksandrovich; ALPATSKIY,
I.V., red.; PLESKO, Is.P., red.ind-va; GRECHISHCHEVA, V.I.,
tekhn. red.

[Utilisation of logging truck transportation] Ekspluatatii lasovosnogo avtomobil'nogo transports. [Ry] V.A.
Gorbachevskii i dr. Moskva, Goslesbumisdat, 1962. 296 p.
(MIRA 16:5)

(Lumber--Transportation) (Tractor trains)

ARKHANGEL'SKIY, Yu.A., otv. sa vypusk; ATABEKOV, L.P.; CUBIN, S.A.; KLEY-KOV, V.S.; KOROTKOV, V.I.; KLZCHKOV, P.F.; LUTSKER, T.D.; LOBACHEV, V.M.; MEKKEL', M.A.; MANUSADZHYANTS, Kh.G.; SIVAKOH', L.F.; KHAYKIN, V.A.; IOFFE, M.L., red.; MIKOLAYEVA, L.M., tekho. red.

[Sefery regulations for truck transportation enterprises] Pravila tekhniki besopasmosti dlia predpriiatii avtomobil'nogo transporta. Moskva, Hauchmo-tekhn. isd-vo M-va avtomobil'nogo transp. i shosseinykh doreg RSFSR, 1961. 71 p. (MIRA 14:7)

l. Profsoyus rabotnikov sviasi, raboshikh avtomobil'nogo transporta i shosseynykh dorog. Tšentral'nyy komitet. 2. Tšentral'nyy komitet profsoyusa rabotnikov svyasi raboshikh avtomobil'nogo transporta i shosseynykh dorog (for Arkhangel'skiy). 3. Ministerstvo avtomobil'nogo transporta Kasakhakoi SSR (for Atabekov). 4. Ministerstvo avtomobil'nogo transporta i shosseynykh dorog RSFSR (for Gubin). 5. Moskovskiy avtomobil'no-doroshnyy tekhnikum (for Klaykov, Korotkov). 6. Mosaheldoravtopogrus (for Klychkov). 7. Ministerstvo avtomobil'nogo transporta i shosseynykh dorog USSR (for Intsker). 8. Tekhnisheskaya inspektaiya Moskovakogo gorodskogo i oblastnogo sovetov profsoyusov (for Lobachev, Mekkal'). 9. Laboratoriya okhrany truda Hauelmo-issledovatel'skogo instituta avtomobil'nogo transporta (for Manusadshyants). 10. Ministerstvo avtomobil'nogo transporta i shosseynykh dorog Latviyakoy SSR(for Sivakon'). 11.Glavnoye upravleniye grusovogo avtotransporta Hosgorispolkoma (for Khaykin). (Transportation, Automotive—Safety measures)

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MUSAYEV, M.R.; KLYCHKOVA, S.N.; MEKHTIYEV, S.D.

Dehydration of saturated alcohols on aluminum oxide. Dokl.
AN Aserb. SSR 20 no.8:27-29 164. (MIRA 17:12)

1. Institut neftekhimicheskikh protsessov AN AzerSSR im. Yu.G. Hamedaliyeva.

21.3000

69094 \$/120/60/000/01/047/051

AUTHORS:

Gus'kov, Yu.K., Zvonarev, A... and Klychkova, V.P.

TITLE:

Preparation of <u>Uranium</u> Layers by Evaporation in Vacuo

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, Nr 1,

pp 143 - 144 (USSR)

ABSTRACT:

In nuclear physics it is frequently necessary to use specimens having a uranium layer deposited on them. The present authors have developed an evaporator which will work for 50 hours and can produce layers of v_50_8

 $30-40~\mu$ thick in a single evaporation. Various types of evaporators were tried, most of which did not have a sufficiently long working life. The most successful was that shown schematically in Figure 1. The evaporator consists of two concentric and cylindrical tungsten spirals made of a wire 1 mm in diameter. The spirals end in a cone, as shown and are surrounded by a tantalum screen (3). 4-5 g of U_3O_8 could be placed in

the evaporator and the rate of evaporation was 10 g/h. The corresponding rate of growth of the U_2O_8 layer was

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Preparation of Uranium Layers by Evaporation in Vacuo

1 - 1.5 mg/min. The power required was about 1 kW. evaporation was carried out in a vacuum of 10 to 10 mm Hg and provision was made for replacing the U308 in the spiral without opening up the vacuum In this way 50 - 80 µ thick layers of U₅08 chamber. could be obtained without difficulty. The uniformity of the deposit was controlled by measuring the β-activity at various points on the specimen (Damodaran. Ref 1). In Figure 1 the notation is as follows: 1) tungsten plate, 5 mm thick; 2) lower screening plate made of tantalum, 0.1 mm thick; 3) tartalum screen, 0.1 mm thick; 4) outer tungsten spiral; 5) tantalum support for the outer spiral, Ol mm thick; 6) inner tungsten spiral; 7) tantalum cover 0.5 mm thick supporting the inner spiral; 8) nickel screen, 0.5 mm thick; 9) mica; 10) porcelain tube; 11) nickel disc, 5 mm thick and containing an insert for the specimen; 12) tungsten nut; 13) tungsten rod.

Card2/3

69094

8/120/60/000/01/047/051 Preparation of Uranium Layers by Evaporation in Vacuo

This is an abridged translation.

There are 1 figure and 4 references, 3 of which are Soviet and 1 is English.

SUBMITTED: December 27, 1958

Card 3/3

V. F'

21.1000,24.6820

77227 SOV/89-8-1-21/29

AUTHORS:

Gus'kov, Yu. K., Zvonarev, A. V., Klychkova, V. P.

TITLE:

A Study of Electromotive Forces Generated in Semiconductor Systems Containing Uranium, When Irradiated in

Reactors. Letter to the Editor

PERIODICAL:

Atomnaya energiya, 1960, Vol 8, Nr 1, pp 72-75 (USSR)

ABSTRACT:

It is known on the basis of light, X-ray, Y-ray, and C-particle irradiation of hole-electron semiconductor systems that an electromotive force can be generated. The authors investigated the effects of fission particles originating in one member of the system chosen to be a uranium semiconductor compound. One had to be careful to choose a material which will not change appreciably its electrical properties. conductors with a large number of original lattice defects satisfy such a requirement, and, having the

Card 1/10

choice between the polycrystalline semiconductors and monocrystals with appreciable amount of impurities, the authors preferred the polycrystalline oxide

A Study of Electromotive Forces Generated in Semiconductor Systems Containing Uranium, When Irradiated in Reactors. Letter to the Editor

77227 SOV/89-8-1-21/29

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semiconductors. In all experiments U308 served as the hole semiconductor with a high work function, and for low work function electron semiconductor the authors utilized BaO, TiO2, MgO, and Al203. Gold and cooper were electrodes for $U_3^{0}_8$, magnesium, and titan for the electron semiconductor. $\rm U_3^{0}8^{-Ba0}$ and $\rm U_3^{0}8^{-Ti0}_2$ samples were obtained by thermal vacuum evaporation of semiconductor and electrode layers. In the case of U308-Al203, a layer of Al₂O₃ was sprayed on a titanium base, and then U308 was evaporated in vacuum, followed by gold or cooper. This did not work for MgO, so a ceramic layer of MgO, 0.5-mm thick was taken on which a magnesium electrode on one side, and U308 with gold or cooper on the other side was sprayed. Working senfaces were 6

Card 2/10

A Study of Electromotive Forces Generated in Scmiconductor Systems Containing Uranium, When Irradiated in Reactors. Letter to the Editor

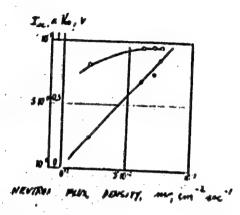
77227 SOV/89-8-1-21/29

and 2.8 cm², and thickness of $\rm U_3O_8$, BaO, TiO₂ was 5 to 20 μ and that of $\rm A_2O_3$ was 100 to 200 μ . Samples were held between bronze holders, with cooper-constantanthermocouple on one of them for temperature determination. Finally, the whole combination was enclosed in aluminum containers and irradiated in the experimentally cooled channel of the atomic reactor, with a density of neutrons and $\rm Y$ -rays between 1010 to 1013 cm⁻²·sec⁻¹ (depending on its power level). Sample temperature was approximately 120° C. The authors investigated the emf $\rm V_{co}$, short-circuit current $\rm I_{sc}$, load characteristic, surface temperature of the samples, and their resistance R at a potential difference of 1.4 v direct and in reverse. Volt-ampere characteristics were taken before and after exposure. All samples showed presence of an emf. Figure 1 represents the case of $\rm U_3O_8$ -MgO.

Card 3/10

A Study of Electromotive Forces Generated in Semiconductor Systems Containing Uranium, When Irradiated in Reactors. Letter to the Editor

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Fig. 1. Emf V_{∞} (o) and current I_{cs} (e) vs neutron flux density nv for an U_3O_8 -MgO sample.

A Study of Electromotive Forces Generated in Semiconductor Systems Containing Uranium; When Irradiated in Reactors. Letter to the Editor

77227 SOV/89-8-1-21/29

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On Fig. 2 is shown the load characteristic, similar to that of a valve photoelement. Neutron flux density was equal to 8.1012 cm-2.sec-1. Figure 3 represents typical volt-ampere characteristics of an U₃0₈-Al₂0₃ sample, before and after exposure. A small valve effect is observable after exposure; during irradiation the rectifying coefficient at 1.4 v was between 2 and 10. Figure 4 shows large variations of all characteristics. Special experiments were performed to check the role of the uranium fission fragments in the emf generation process. Same samples irradiated with Y-rays showed three times weaker effect than in the case of neutron irradiation. This compares favorable with the relative ionization of Y-rays and neutrons. One double sample of U₃0₈-Al₂0₃ was prepared, utilizing on one side a uranium sample 10% enriched in U²³⁵ while on the other, natural U₃0₈ was used. The

Card 5/10

A Study of Electromotive Forces Generated in Semiconductor Systems Containing Uranium, When Irradiated in Reactors. Letter to the Editor

77227 SOV/89-8-1-21/29

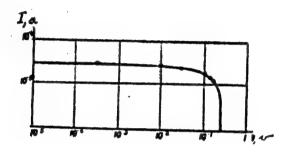
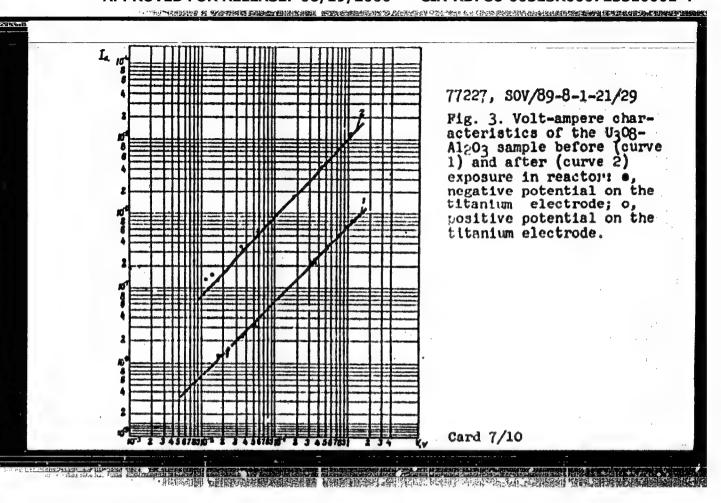


Fig. 2. Load characteristics of an U308-MgO sample.

Card 6/10



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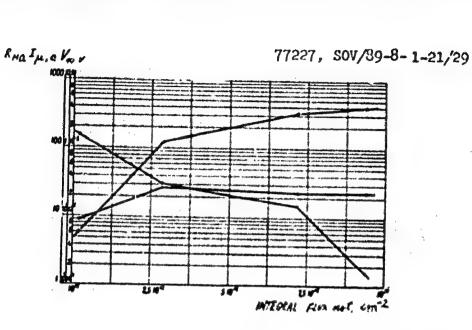


Fig. 4. I_{cs} (x), V_{co} (o) and ? (•) of an U_3O_8 -MgO sample vs integral neutron flux nvt at a constant neutron flux density of $8\cdot10^{12}$ cm⁻²·sec⁻¹.

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A Study of Electromotive Forces Generated in Semiconductor Systems Containing Uranium, When Irradiated in Reactors. Letter to the Editor

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10% enriched sample gave a 15 times larger effect than the natural one. Authors used also oxides and sulfides of Be, Ni, Mo, W, Zn, and Co. In all cases they observed an emf, although the biggest effect occurred with the U30g-MgO combination. Computation showed that in this last case 0.01% of the fragments' energy was transformed into electrical energy. Such small efficiency can be explained through the apparently short lifetime of the current carriers, and a poor relation between their diffusion path length compared with the sample thickness. The authors conclude that the emf is basically a result of a valve effect, although the volume and thermal emf may play some role too. Professor A. K. Krasin showed interest, G. N. Ushakov collaborated during experiments, and R. G. Bulycheva, V. A. Shalin, and G. V. Rykov were partially involved in experimental work. There are 4 figures; and 6 references, 4 Soviet, 1 U.K., 1 U.S. The U.K. and

Card 9/10

A Study of Electromotive Forces Generated in Semiconductor Systems Containing Uranium. When Irradiated in Reactors. Letter to the Editor

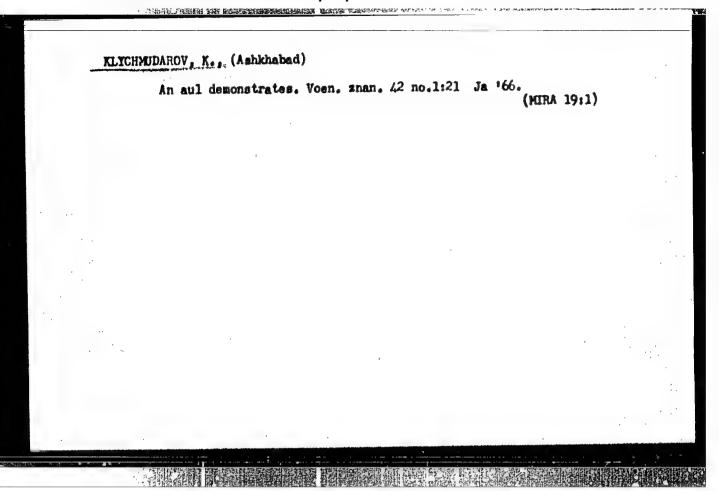
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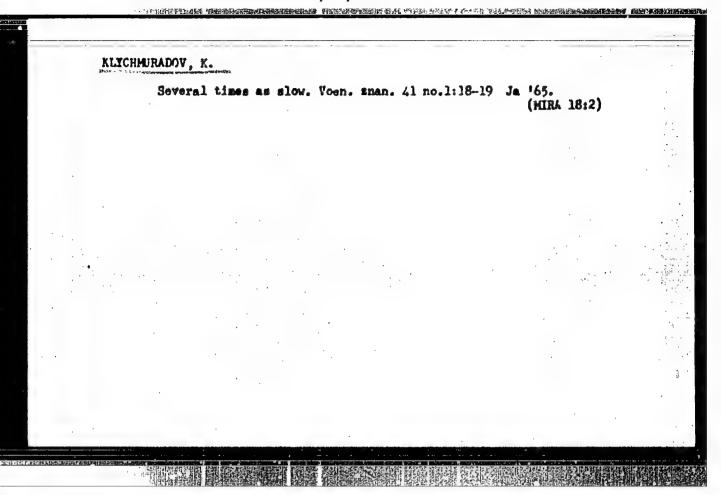
U.S. references are: G. Kinchin, R. Pease, Repts Progr. Phys., 18, 1 (1955); J. Glen, Advances Phys., 4, Nr 16, 381 (1955).

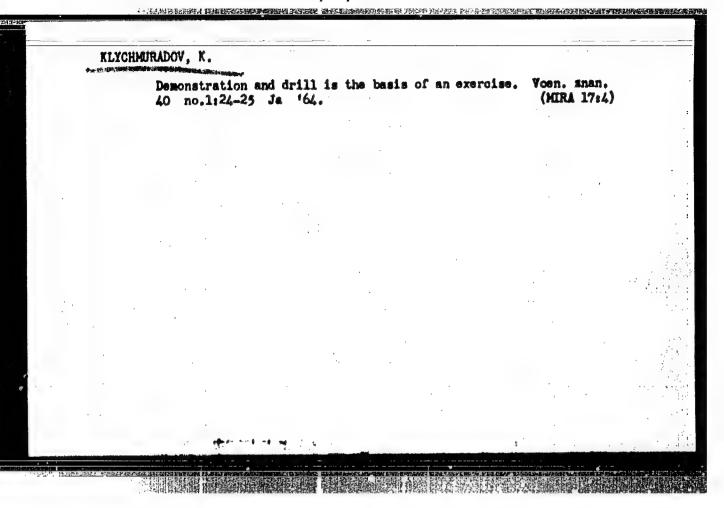
SUBMITTED:

August 3, 1959

Card 10/10







GAPUROV, M.; SCHIYEV, M.; KAPATERA, G ; TYERMIDATOV, B.; KATOT DEFACT, K.;
KRALDITEV, P; AKADOV, A.

In the land of sands and creation Voen zname. .. 1 m. 2:26-28 F 165.

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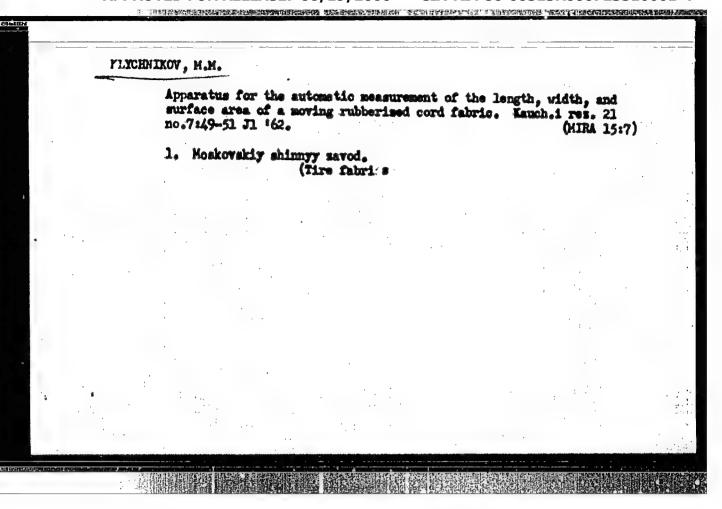
1. Predmedatel' Soveta Ministrov Turkmenskoy SSR (for Gapurov).
2. Predmedatel' sel'skokhozyaystvennoy arteli "Sovet Trukmenistana" (for Sopiyev).
3. Predmedatel' Leninskogo impolnitel'nego kemiteta rayonnogo Soveta deputatov trudyashchikhaya Ashkhabada (for Karayeva).
4. Machal'nik Ashkhabadakoy shkoly grazhdanskoy oborony Vsesoyumogo obshchestva medeystviya armii, aviatsii i flotu SSR (for Avazmaradov).
5. Kachal'nik Ashkhabadakikh kursov grazhdanskoy oborony (for Klychmaradov).
6. Machal'nik Ashkhabadakikh kursov grazhdanskoy oborony (for Klychmaradov).
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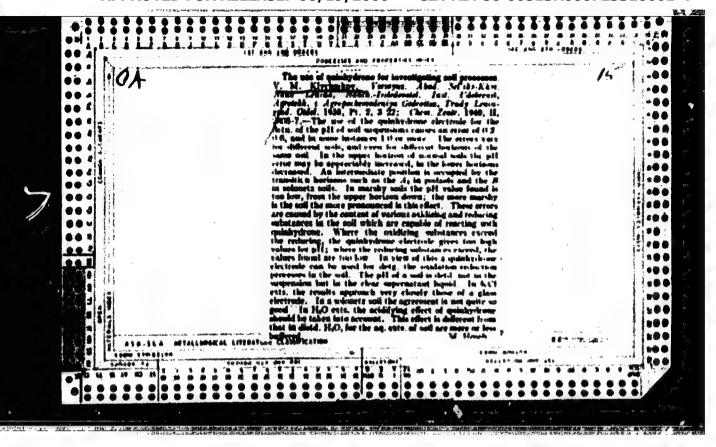
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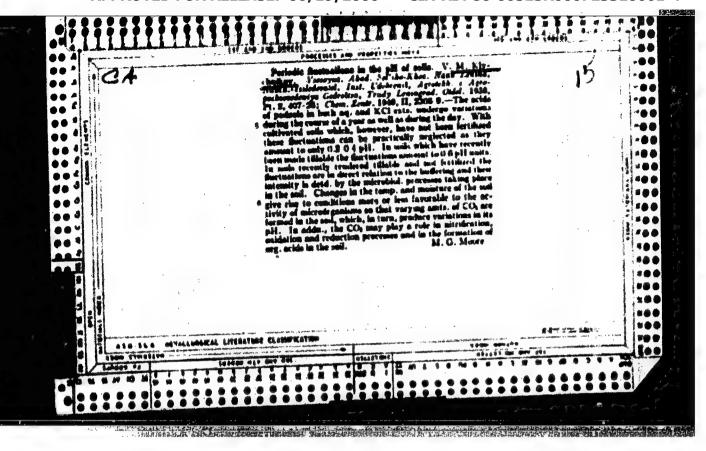
(NIRA 11:11)

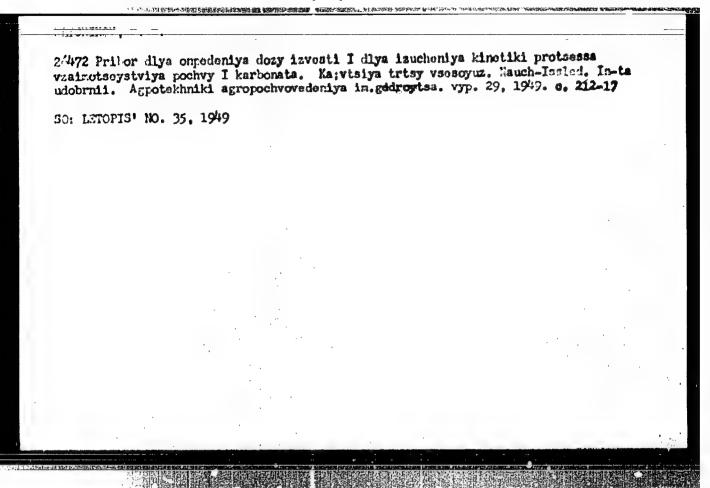
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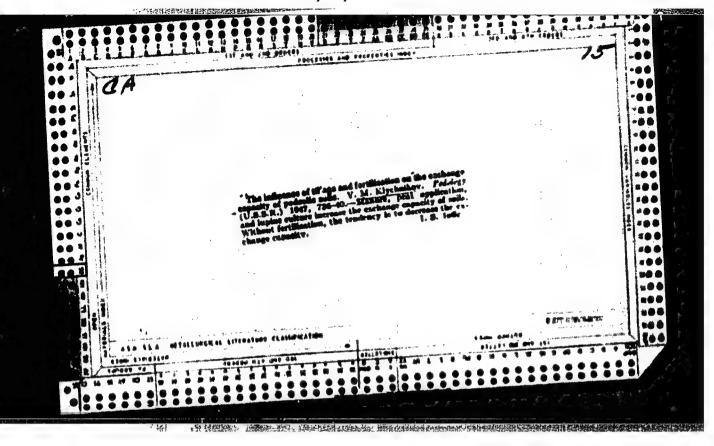
(Inventions)

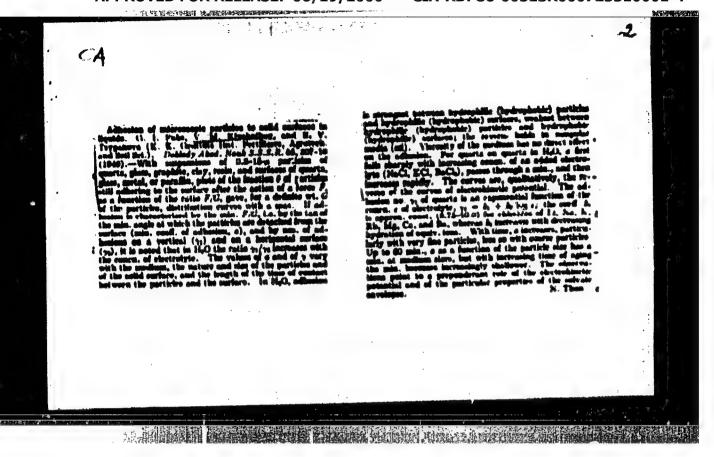












KLYCHNIKOY, Y. N.

Soil Absorption

Davice for determining water permeability of soils under field conditions. Dokl. Ak. sel 'khos. 16 no. 11, 1951.

9. Monthly List of Russian Accessions, Library of Congress, May 1952, Uncl.

KLYCHNIKOV, V. M.

Soil Absorbtion

Device for determining gater permeability of soil under field conditions. Pochvovedenie. no. 9, 1952.

KLICHNIKOV, Y. N.

Fertilisers and Namures

Drill attachment for epreading granulated fertilizer. Y. M. Elychnikov., Sov. agra., 10, no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1958, Uncl.

USSR / Soil Science. Genesis and Geography of Soils. J-1

Abs Jour: Rof Zhur-Biol., No 8, 1958, 34310.

Author : Koyda, V. A., Hsu Su-Hua; Klychnikov, V. M.

Inst : Not given.
Title : On Cortain Paculiarities of Soil Formation in the

Tidal Zone of the Yellow Soa.

Orig Pub: Pochvovedoniyo, 1956, No 8, 12 - 20.

Abstract: According to frequency and duration of flooding, the littoral of the Yellow Sea in China is divided into three sub-zenes: zone flooded daily, zone flooded periodically every year, and very rarely flooded zone (once every 10 years). The height of the tides fluctuates from 0.7 to 5 m. Strongly silted marine deposits are prevalent in the first sub-zene, but mineralization of sub-soil waters corresponds to that of the marine (eq. to

Card 1/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723310001-4"

USSR / Soil Science. Genesis and Geography of Soils. J-1

Abs Jour: Rof Zhur-Biol., No 8, 1958, 34310.

Abstract: 48 g/l). In the 2nd sub-zone, as a result of an intensive process of evaporation, mineralization of ground waters reaches 150 g/l, and content of salts in salino soils of the chlorido salting reaches 5%. In the third sub-zone, de-salting of soil depressions under the action of rain water is being observed. In this sub-zone, the most frequent soils are as follows: meadowy slightly alkali, muddy- and mondow- swampy. Agricultural utilization of flooded areas is possible only with construction of protective dams, deep drain-age by means of floodgates for protection from son tides and erosion by water. -- S. A. Nikitin.

Card 2/2

Loil Science - Genesis and Geography of Scils.

ARPROVED FOR THEASEN 06/19/2001/58, 6147RDP86-00513R000723310001-4

2. 引起题 4. 翻稿 · 新 Sung Ta-ch'eng; Vlasyuk, I.A., Klychnikov, V.H., Hei Wang-Author

● 建聚化工程设施 建氯化铁 有能力的 后来 经验 化过去 医二乙二十二十二

Inst : The Soils of the "Drushba" Goskhos of the Chinese Poople's Title Republide Congolds and and the least

[1] 新建立建筑建筑建筑。

: Tochvovedeniye; 1957, No 1, 26-36. Orig Pub CONTRACTOR TO THE STREET SERVICE STATE OF

THE REPORT OF THE PROPERTY OF THE PARTY OF

The territory of the "Druzhba" goshhoz lies on the second Abstract tarraca slope the bottom lands of the Sungari River. The ground water is at a dopth of 1.5-3 to 5 meters, and on saline areas it is slightly minoralized -- up to 1.3 gram/ liter of solid deposit. There is 550-600 mm. of precipitation yearly. On elevated areas there are chernozem-like soils; on wooded areas the soils are podsolized and loached. The humas content of the upper soil horizons reaches

11.5%; the reaction is noutral; of the absorbed bases Ca

Card 1/2

Agrochemical servicing of collective and state farms.

Zemledelie 25 no.11:79-87 N '63. (MIRA 17:2)

1. Vsescyusnyy nauchno-issledovatel'skiy institut udobreniy i agropochyovedeniya.

KIXCHNIKOV, V.M., kand. sel'khoz. nauk; COMENYUK, L.J., red.

[Agrochemical services in agriculture] Agrokhimicheakaia slumba v sel'akom khoziaistva. Moskva, Koloa, 1964. 183 p.

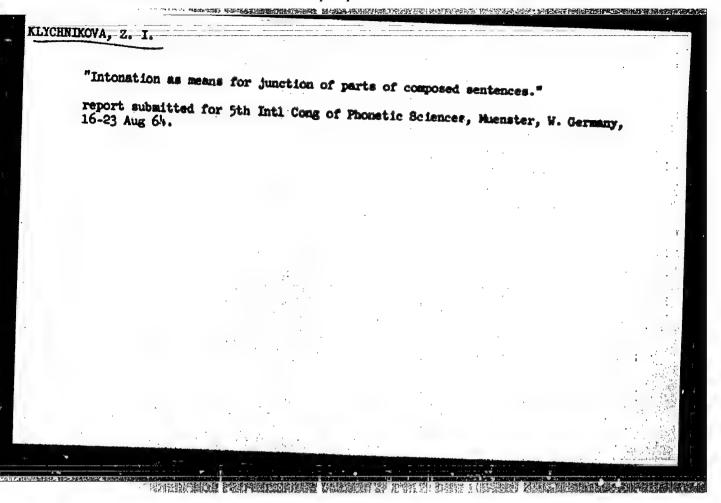
(HIRA 18:2)

Automation of continuous lines in the analysis of soil.

Zhur. VKRO 10 no.4:428-433 '65. (MIRA 18:11)

ZHADAN, V.S., kand. tekhn. nauk; <u>KLYCHBIKOVA, L.V.</u>, inzh.; BORTSOVA, L.A., inzh.

Development of the parameters of industrial air conditioning. Khol. tekh. i tekh. no.1:111-115 '65. (MIRA 18:9)

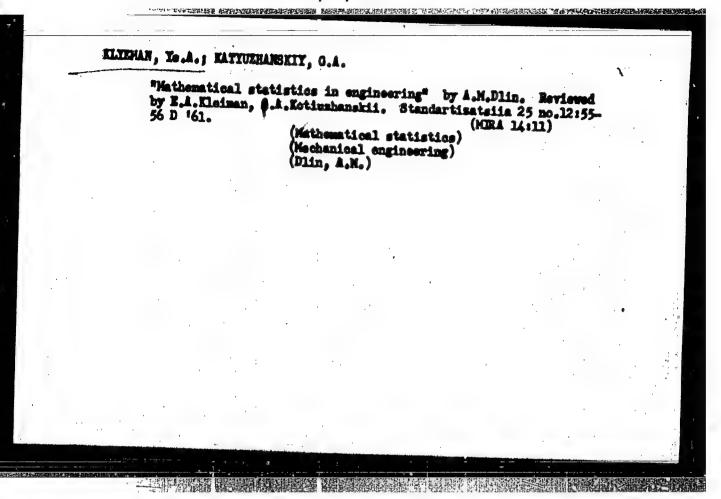


KLYDZHEV, K. G.

Viticulture-Azerbaijan

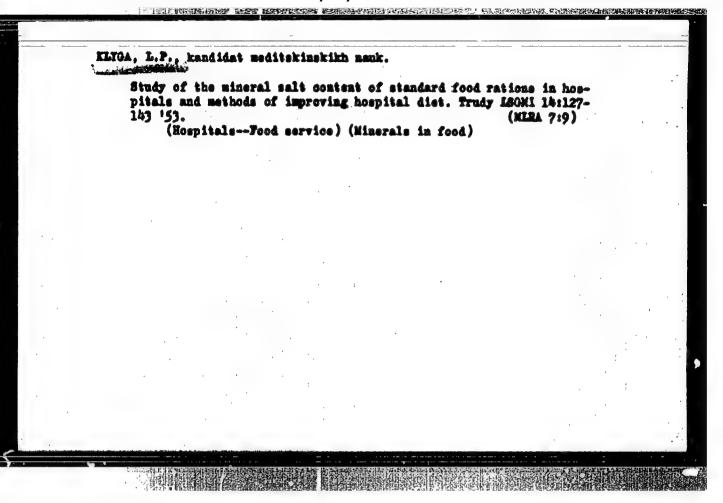
For further increase in vineyard yield. Vin. SSSR. 13, No. 3, 1953.

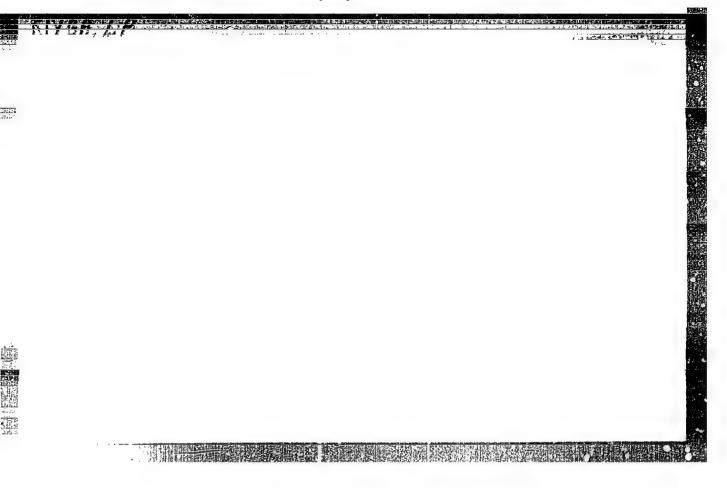
Monthly List of Russian Accessions, Library of Congress, June 1953. UNCLASSIFIED.

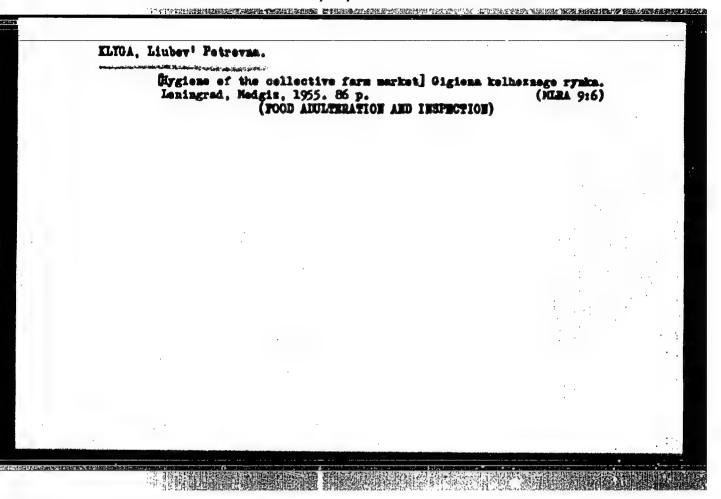


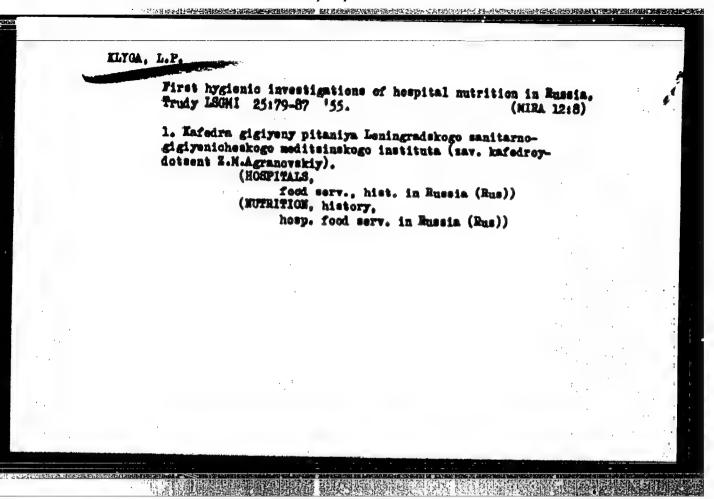
。 "我们是是不是我们的人,我们还是是我们的人,我们们的人,我们们们的人,我们们们们们的人,我们们的一种,我们们是我们的我们就是我们的人,我们们们们们们们们们 L 45244-66 EWT(1)/ENT(m)/ENP(t)/ETI IJP(c) JD/LHB ACC NRI AR6025784 SOURCE CODE: UR/0058/66/000/004/E060/E060 AUTHOR: Inyutkin, A. I.; Klyeshchinskiy, L. I. ORG: none TITLE: The determination of temperature characteristics, linear expansion coefficients and dynamic deviation amplitudes in lead chalcogenides by the x-ray diffraction method SOURCE: Ref. zh. Fizika, Abs. 4E463 REF SOURCE: Sb. Issled. po matem. i eksperim. fiz. i mekhan. L., 1965, 145-147 TOPIC TAGS: temperature characteristic , linear expansion coefficient, x ray diffraction, chalcogenide, lead chalcogenide, lead sulfide, lead selenide, lead telluride บา ABSTRACT: The study of the x-ray diffraction patterns of PbS, PbSe, and PbTe obtained by the Debye Scherrer Method at 293 and 169K, was used for determining Card 1/2

the temperature characteristics (200 ± 15°, 150 ± 15°, 130 ± 15°), dynamic			0	
deviation amplitu	des (0.163 and 0.	. 128; 0. 199 and 0. 151; 0. 2		
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GESSEN, A.I.; KLYGA, L.P.; KHARAKHORKINA, K.D.; CHISTYAKOVA, A.M.

Hygienic characteristics of nutrition at trade schools. Trudy
LSGMI 31:129-144 '56. (MIRA 12:8)

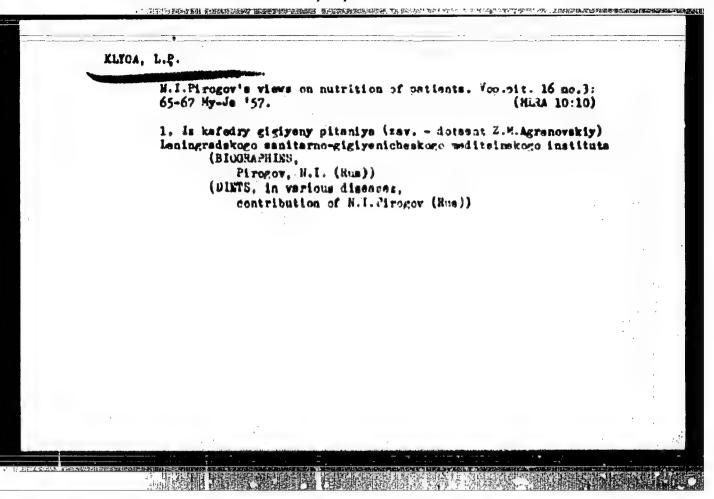
1. Kafedra gigiyeny pitaniya leningradskogo sanitarnogigiyenicheskogo meditsinskogo instituta (sav.kafedroy dots. Z.M.Agranovskiy).

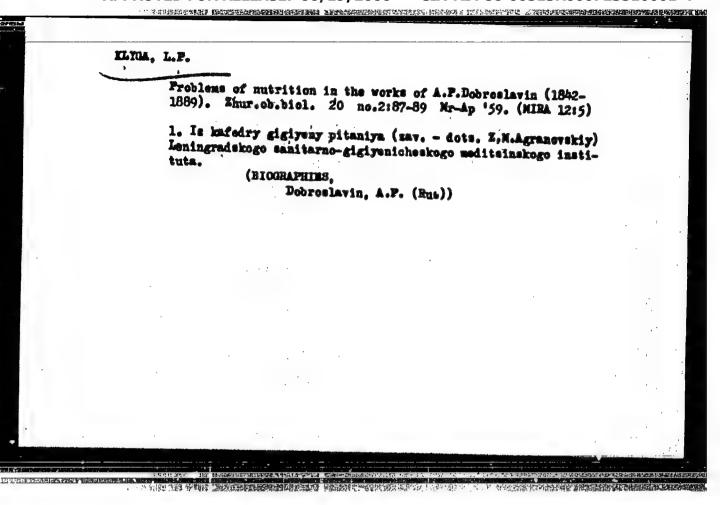
(SCHOOLS,

trade schools, nutrition (Rus))

(NUTRITION,

in trade schools (Rus))





ILIUA, L.P.

1000 Walt content in children's hospitals. Trudy LSOMI (NIRA 12:9)

1. Enfedra gigiyeny pitaniya Leningradskogo sanitarno-gigiyenichaskogo meditsinskogo instituta (nav.mafedray - dotsent Z.M.Agranov-skiy).

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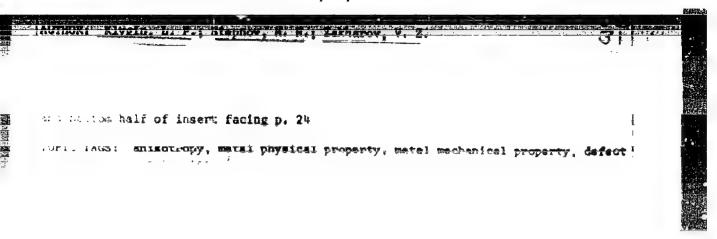
History of sanitation in Vladivostok. Gig. 1 san. 26 no.2:38-43 F 161. (MIRA 14:10)

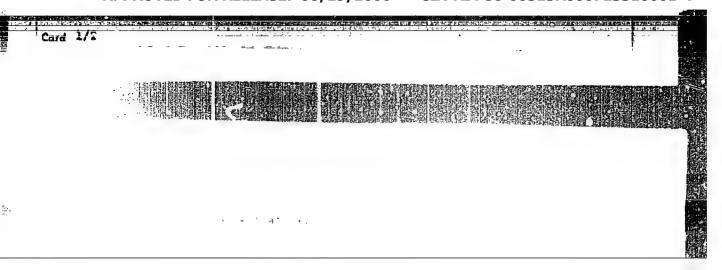
1. Is kafedry gigiyeny Vladivostokskogo meditsinskogo instituta.
(VLADIVOSTOK-SANITATION)

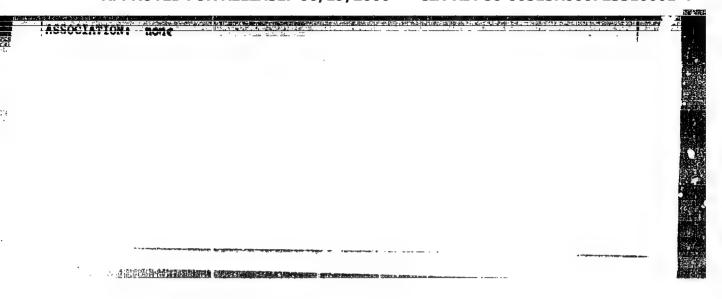
一个小孩子的身份,我们就会现在,我们就是这种人,我们就是一个人,我们就是一个人,我们们不会的人,我们们不会的人,我们们就是一个人,我们们就是一个人,我们们就是一个人,我们

KLYGA, L.P., dotsent

Tasks of hygienic research in fisheries of the Par East. Biul. Uch. med. sov. 3 no.3:20-23 My-Je 162. (MIRA 17:10)







AUTHORS:

Klygin, A. Ye., Kolyada, N. S.

THE RESERVE OF THE PROPERTY OF THE PARTY OF

507/78-3-12-26/36

TITLE:

Investigation of the System Uranyl Nitrate - 8-Oxyquinoline -Water by the Solubility Method (Izucheniye sistemy uranilnitrat - 8-oksikhinolin - voda metodom rastvorimosti)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1958, Vol 3, Nr 12, pp 2767-2770 (USSR)

ABSTRACT:

The dissociation constants of 8-oxyquinoline and the solubility of uranyl 8-exyquinoline were investigated. The solubility of 8-oxyquinoline is dependent upon the pH value for the solution. It increases with a decrease in the pH of the solution. For the dissociation constants K_1 and K_2 the following values were

= 8.66.10⁻⁶ and K₂ = [HT] [R-] - 1.76.10⁻¹⁰

The average value for the concentration of the undissociated molecules of 8-oxyquinoline is 4.46.10 moles/1. The solubility product for uranyl 8-oxyquinoline (UO2R2.ER) was found by

determining the solubility in solutions of varying pH values.

Card 1/2

P was found to have the following values at 25°C:

Investigation of the System Uranyl Nitrate - 8-Oxyquinoline - Water by the

$$P = \left[\text{UO}_{2}^{2+} \right] \left[\text{R}^{-} \right]^{2} \left[\text{HR} \right] = (1.9\pm0.5) \cdot 10^{-29}$$
There are 2 tables and 9 references, 7 of which are Soviet.

SUBMITTE D:

September 5, 1957

Card 2/2

5(4), 21(1) AUTHORS:	SOV/78-4-1-9/48 Klygin, A. Ye., Smirnova, I. D.
TITLE:	On the Instability Constant of the ${\rm UO}_2({\rm CO}_3)_3^{4-}$ Ion (O konstants nestoykosti iona ${\rm UO}_2({\rm CO}_3)_3^{4-}$)
PERIODICAL:	Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 1, pp 42-45 (USSR)
ABSTRACT:	A direct determination of the dissociation constant of ${\rm UO_2(CO_3)_3^{4^-}}$ was carried out by the solubility method. Uranyl
	oxyquinolate was used as solid phase. On reciprocal action of uranyl oxyquinolate and alkali and ammonium carbonate solutions
	the complex $UO_2(CO_3)_3^{4-}$ is formed. The stability constant of $UO_2(CO_3)_3^{4-}$ was calculated at 25° and $\mu = 1.0$.
	$K = \frac{\left[\text{UO}_{2}^{2+}\right]\left[\text{CO}_{3}^{2-}\right]^{3}}{\left[\text{UO}_{2}\left(\text{CO}_{3}\right)_{3}^{4-}\right]} = (1.7 \pm 0.6).10^{-23} \text{ at } 25^{\circ}$ $M = \text{ionic strength}$
Card 1/2	There are I figure, I table, and 14 references, 11 of which are Soviet.

5(4), 21(1) AUTHORS:

Klygin, A. Ye., Kolyada, N. S.

SOV/78-4-1-45/48

TITLE:

The Examination of the System UO2SO3-(NH4)2SO3-H2O by the Solubility Method (Issledovaniye sistemy UO2SO3-(NH4)2SO3-H2O petodom rastvorimosti)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1959, Vol 4, Rr. 1, PP 239-242 (USSR)

ABSTRACT:

The solution products of UO2503 and the composition and stability constant of the complex compound which is formed from of uranyl sulfite and ammonium sulfite solution was investigated. The production of uranyl sulfite was carried out by the method of Kohlschuetter (Ref 1). Thermograms were plotted with the uranyl sulfite produced (UO2SO3.4.5H2O). The thermogram shows three endothermic effects: in the tempe ture ranges from 50 to 900, 105 to 1350, and 170 to 2100C. An exothermic effect appears at 210-320°C. The solubility-isotherm of the system UO2SO3-(NH4)2SO3-H2O was examined at 250.

Card 1/2

It can be seen from the results that the solubility of VO2803

The Examination of the System $\rm UO_2SO_3-(HH_4)_2SO_3-H_2O$ by the Solubility Method

in ammonium sulfite solutions decreases with an increase of the concentration of ammonium sulfite and reaches a minimum with a concentration of ammonium sulfite of 6.24.10-2 mol/l. The solubility increases with higher concentrations of ammonium sulfite and complex formation takes place. The solubility

product is $P = \begin{bmatrix} UO_2^{2+} \end{bmatrix} \begin{bmatrix} SO_3^{2-} \end{bmatrix} = 2.56.10^{-9}$. The mean value of the stability constant is $\begin{bmatrix} UO_2^{2+} \end{bmatrix} \begin{bmatrix} SO_3^{2-} \end{bmatrix}^2$

The thermogram was plotted by Ye. F. Goryunov with the aid of the N. S. Khrnekov pyrometer. There are ! figure, 2 tables, and 8 reference 4 of which are Soviet.

SUBMITTED:

April 7, 1958

Card 2/2